

## Rome engineers participate in lecture series

*by Fran Crum, Information Directorate*

ROME, N.Y. — Engineers Dr. Gerard T. Capraro, Dr. Michael C. Wicks, and John F. Spina recently participated in a NATO Lecture Series on “Knowledge-Based Radar Signal & Data Processing”. The series was conducted Nov. 3-11 in Linköping, Sweden; Rome, Italy; and Budapest, Hungary.

The series was proposed and sponsored by the Sensors & Electronic Technology Panel, one of six NATO Research and Technology Agency panels.

Spina, assigned to the Air Force Research Laboratory’s Sensors Directorate at Rome, served as lecture series director, while Dr. Wicks, also of the Sensors Directorate, presented two lectures on knowledge-based applications for Space Time Adaptive Processing and Constant False Alarm Rate processing.

Dr. Capraro, of Capraro Technologies, Inc., Utica, presented lectures on the fundamentals of knowledge-based techniques and integrated end-to-end radar signal & data processing with over-arching knowledge-based control. Other lecturers included Dr. Alfonso Farina, Alenia Marconi Systems, Rome, Italy; and Dr. Hugh Griffiths, University College, London.

The goal of the lecture series was to present a state-of-the-art assessment of knowledge-based radar signal and data processing techniques, and thereby increase awareness of their value to the NATO scientific community. The symposiums reviewed the current developments in the area and presented examples of improved radar performance for augmented and upgraded systems, and projected the impact of knowledge-based technology on future systems.

More than 100 participants from six NATO and Partners-For-Peace countries attended the series. As a result of the interest, the lecture series team has been asked by NATO to do a repeat performance in Poland this year.

The organization of Lecture Series forms part of the NATO Research & Technology Agency Consultant and Exchange program, which coordinates the overall lecture series program and assigns the presentation to the various nations involved in conjunction with the panels and the national authorities. @